
VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Please amend the 1st full paragraph on page 1 (lines 5-8) as follows:

The present application is a continuation-in-part of U.S. Application [application] Ser. No. 09/415,562, filed October 8, 1999, and entitled ROTARY-LINEAR ACTUATOR, which is a continuation of U.S. Application Ser. [application Serial] No. 08/668,705, which was filed June 24, [1999] 1996, and entitled ROTARY-LINEAR ACTUATOR, now U.S. Patent No. 6,137,195, which is based on U.S. Provisional Patent Application Serial No. 60/015,705, which was filed March 28, 1996 and a continuation-in-part of U.S. Application Ser. No. 08/481,239, which was filed June 6, 1995, which is now abandoned.

In the Claims:

Please amend claim 11 as follows:

11. (Amended) A rotary-linear actuator system, comprising:
 - a motor support having a well;
 - a plunger supported for movement in at least part of the well so as to enable axial movement of the plunger relative to the well along a longitudinal axis of the plunger and rotational movement of the plunger about the longitudinal axis;
 - an array of magnets associated with the plunger;
 - a first set of coils arranged to, when energized, apply an electric field that interacts with the array of magnets and provides an axial force to drive the plunger element in a linear mode;
 - a second set of coils arranged to, when energized, apply an electric field that interacts with the array of magnets and provides a tangential force to drive the plunger element in a rotational mode; and
 - an integrated control system having a network interface operative to receive control information via an associated network, the control system being operative to selectively energize the first and second sets of coils to effect movement of the plunger in at least one of the linear and rotational modes.